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Section 9 – Medical

Overview

The Medical SubGroup provides guidance regarding health and medical aspects of local, state, and federal standardization, interoperability, and responder safety to prepare for, respond to, mitigate, and recover from any incident by identifying requirements for CBRNE incident response equipment.

Items in this section are divided into 4 categories:

- Medical Equipment: durable medical equipment
- Medical Supplies: single use, disposable, and generally inexpensive (<\$100 per item)
- Pharmaceuticals: medications and fluids
- Training Equipment and Supplies

Logistical equipment required to support medical operations (but not directly related to patient care or medical support of personnel) such as PPE, communications equipment, generators, etc., can be located in other appropriate SEL sections.

Edits and Additions

The role of public health and the concern for medical surge capacity influenced both the Edits and Additions and Online Selection Factors sections in this edition. Additional subcategories were also added to allow for easier use of both the published and online¹ versions of the SEL, including a Public Health subcategory under Medical Equipment. Items in the new Public Health subcategory include:

- Equipment, Pharmaceutical Counting
- Equipment, Pharmaceutical Labeling
- Equipment, Translation
- Equipment, Negative Pressure Patient Isolation

In addition a Privacy Screen item was added to the Medical Supplies, General Subcategory.

The Medical Subgroup also added information to SEL item, 03-OE-07-BULK, Equipment, Bulk Material Handling (in Section 3 of the SEL) to recognize the use of this item during a public health and medical response.

Online Selection Factors

Like most sections in the 2005 SEL, the online version of the Medical Section uses a set of selection factors to assist users in quickly identifying appropriate equipment items. For the Medical Section, the SubGroup chose to use levels within the EMS/Clinical Care delivery system as the first factor, and Hazard Environment as the second. Every online item is “tagged” for each appropriate combination of factors. Thus users on the online version can choose any combination of EMS/Clinical Care Level and Hazard Environment, and the system will provide a list of all items tagged for that combination.

The EMS/Clinical Care Level factor uses the following values (a new Public Health value was added in this edition):

¹ The on-line version is available on the Responder Knowledge Base, www.rkb.mipt.org.

Basic Life Support (BLS)	BLS as defined by the standard national BLS curricula and routinely carried on BLS EMS response resources.
Advanced Life Support (ALS)	ALS as defined by the standard national ALS curricula and routinely carried on ALS EMS response resources.
Pre-Hospital Mass Casualty	Items needed specifically to manage pre-hospital mass casualty events but that may not routinely be used by pre-hospital care organizations or carried on BLS/ALS response resources.
Hospital	Items routinely used in the hospital environment.
Public Health	Items used by public health authorities to protect and treat actual or potential exposure to hazardous agents.
Disaster	Items that should be stockpiled for mass casualty/disaster response situations.

The second factor is the Hazard Environment, commonly represented with the CBRNE nomenclature. However, for our purposes it is useful to represent the Nuclear “N” as part Thermal, part Explosive, and part Radiological. Therefore, the values used for this factor are:

- Chemical
- Biological
- Radiological
- Thermal
- Explosive

The Medical SubGroup considers these selection factors to be particularly important in planning the acquisition and utilization of equipment. Therefore, in addition to the standard online facility, this printed version contains representative information on the selection factors (similar to that contained in the Spring 2004 printed version). Two additional columns, one for each factor, appear on the right side of each page. These columns, entitled “EMS/CC Level(s)” and “Threat/Incident Type(s)” will contain appropriate codes for each item.

Using the SEL Medical Section

The Medical Subgroup has attempted to provide useful information in this section (and linkages to other SEL sections) to assist local, state, and federal organizations that are, or may be involved in emergency or disaster response develop the health and medical aspects of their response plans. While the SEL provides recommendations, each community must assess their individual needs and capabilities, and modify the recommendations to suit their particular threats, weaknesses, requirements and standards of care. Local and/or state health and medical authorities should also be involved in adapting this list for use in their organizations and jurisdictions. These authorities should also develop protocols, operational procedures, or other written documentation governing use of the items on the list.

Always refer to community hazard and vulnerability analysis as a basis for planning and procuring supplies. Give consideration to the full range of issues inherent to the procurement of equipment, pharmaceuticals, and supplies (i.e., interoperability, compatibility, funding limitations, maintenance, training, re-supply, storage, safety, etc). The Medical SubGroup also encourages each organization to consider the following factors as they develop response plans and purchase SEL items in support of those plans:

- Consider environmental factors during storage and response operations. Exposure to environmental extremes may impact potency, shelf life, and performance.
- Do comprehensive “power planning” to look at the power needs of your total response capability. Consider and plan for the custom batteries/power systems that will be required for most medical

diagnostic and monitoring equipment. Pay particular attention to the combination of monitoring/diagnostic equipment and environmental factors such as climate control, lighting, refrigeration, and information equipment/computer support. Include storage in facilities that have backup generator power sources, and other requirements to ensure 24/7/365 readiness of the equipment/batteries, etc.

- Be aware that certain supplies are regulated for bulk transportation. If you are moving large amounts of material (especially applicable to the Disaster and Hospital sections of the matrix), consult with a transportation/hazmat professional.
- Don't forget to incorporate federal resources such as Pre-positioned Equipment Program (PEP) Pods, the Strategic National Stockpile (SNS), and the CHEMPACK program into your local planning process.
- When selecting durable medical equipment as well as monitoring and diagnostic equipment, consider durability, appropriateness for field use, and whether the item is disposable or decontaminable.
- Remember to budget for the routine maintenance of monitoring and diagnostic equipment as specified by the manufacturers.
- Consider the impact of special needs individuals (i.e., mobility impaired, hearing impaired, visually impaired, cognitively impaired, non-English speaking, pediatrics, elderly, etc.), and others with pre-existing medical conditions, on the healthcare infrastructure during disasters.
- Consider Memoranda of Understanding/Agreement with hospitals and pharmacies for appropriate storage and management/regulation of medications and perishable items that must be kept in climate-controlled conditions.

Section 9 | Medical

Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
ME - Medical Equipment					
01 - General					
09ME-01-ADMN Equipment, Adminis- trative	All inclusive administra- tive and durable office support equipment to sustain medical branch operations.	----- Consider caching this type of equipment in portable vessels/con- tainers to facilitate rapid mobilization and/or relocation. Consider wireless and satellite connectivity for computer-related products. See also 09MS-01-ADMN.		B, A, P, H, U, D	C, B, R, T, E
09ME-01-BAGM Bag/Kit/Pack, Medical	Portable vessel that contains various medical supplies and equipment.	----- Consider products impervious to infectious fluids; products equipped with reflective surfaces to enable rapid visualization; size versus storage limitations. Consider products that are lightweight and durable. See also 03OE-08-BGEQ, 03OE-08-BKPK.		B, A, P, H, U, D	C, B, R, T, E
09ME-01-COTS Cots	Portable, lightweight structures that are easily assembled to accommo- date patients in supine position. Typically used in shelter operations.	----- All structures and related materials should be impervious to infectious fluids. Consider infection control and related main- tenance issues; interoperability with other medical equipment (backboards, etc.); storage and transport requirements. Consider products that are lightweight and easy to assemble with minimal personnel. Consider all types of patient sizes/weights. See also 08D3-01-BLKT, 09ME-01-SHEL, 09MS-01-LNEN.		B, A, P, H, U, D	C, B, R, T, E
09ME-01-MCIK Equipment/Kits, Multi-Casualty Inci- dent (MCI)	Fully equipped kits that contain all equip- ment and materials to coordinate multicasualty incidents, including (but	----- Consider containers/vessels impervious to infectious fluids; products with reflective surfaces for ease of visualization. See also 09MS-01-TTAG, 01ZA-06-VEST, 03OE-03-MEGA, 01ZA-01- OAPT, 03OE-07-CART, 03OE-03-KTFA. →		B, A, P, H, D	C, B, R, T, E

¹ Use numbers given to refer to Standards List at the end of this document.² Basic Life Support (B), Advanced Life Support (A), Pre-Hospital Mass Casualty (P), Hospital (H), Public Health (U), Disaster (D)³ Chemical (C), Biological (B), Radiological (R), Thermal (T), Explosive (E)

Section 9 | Medical

Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
ME - Medical Equipment					
01 - General - <i>Continued</i>					
	not limited to) triage tags/supplies, clip boards and related forms, color coded marking tape and tarps for treatment areas, medical branch position vests; field operation guide (FOG) for medical branch/MCI operations and local protocols.				
09ME-01-PEDT Tool, Pediatric Patient Assessment and Management	These tools allow for the rapid assessment of pediatric patients using length based assessment to determine equipment size and medication dosages.			B, A, P, H, U, D	C, B, R, T, E
09ME-01-RFGR Refrigerator	Device for maintaining temperature control (cooling) for pharmaceutical and other medical equipment.	Battery and generator capabilities ----- See also 03OE-08-FRZR, 10GE-00-GENR.		H,U,D	C, B, R, T, E
09ME-01-SHEL	Easy to assemble structure to provide temporary shel-	----- Structures should be lightweight and easy to assemble with →		P, H, U, D	C, B, R, T, E

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² Basic Life Support (B), Advanced Life Support (A), Pre-Hospital Mass Casualty (P), Hospital (H), Public Health (U), Disaster (D)

³ Chemical (C), Biological (B), Radiological (R), Thermal (T), Explosive (E)

Section 9 | Medical

Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
ME - Medical Equipment					
01 - General - <i>Continued</i>					
Shelter, Medical	ter for patients and medical practitioners. Constructed of lightweight frame and/or inflatable.	minimal personnel; surfaces should be extremely durable and impervious to infectious fluids. Consider products with multiple access/egress points; products equipped with ventilation features; products that offer optional heating/cooling climate control features; products that offer optional decontamination features; logistical storage and transportation requirements. Consider appropriateness for operating environment. See also 01ZP-00-STOL, 03OE-04-KTTL, 03OE-04-LTHH, 03OE-08-SHEN, 03OE-03-LTPA, 03OE-03-SIGN, 09ME-01-COTS.			
ME - Medical Equipment					
02 - Airway Management					
09ME-02-AWMG Equipment, Airway Management	Durable airway management equipment, basic and advanced. Enables basic and advanced access to, and protection of, patient respiratory system.	----- Consider products impervious to infectious fluids; adult and pediatric applications. See also 09MS-02-AWMG and 09MS-02-OXYA.	1, 47, 50	B, A, P, H, D	C, B, R, T, E
09ME-02-ETCO Monitor, End Tidal CO ₂ , Quantitative/Qualitative	Monitor that allows for the quantitative and qualitative assessment of end tidal CO ₂ for patients that are breathing and/or being ventilated.	----- Equipment should provide both a numeric and waveform display to allow for accurate evaluation of respiratory and ventilatory status.	3	A, P, H, D	C, B, R, T, E

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
ME - Medical Equipment 02 - Airway Management - <i>Continued</i>					
09ME-02-OXYE Equipment, Oxygen	Durable oxygen equipment (e.g., cylinders, regulators, manifolds, etc.) to facilitate the storage and delivery of medical oxygen.	----- All equipment should be lightweight and easily stored in the intended usage environment. All devices should be intrinsically safe relative to high pressures and flammability. Consider infectious control and related maintenance issues, and impact resistance features of gauges and other vulnerable impact points. See also 09MS-02-OXYA	84, 85, 86	B, A, P, H, D	C, B, R, T, E
09ME-02-SUCT Equipment, Suction Units	Negative pressure devices that enable suctioning of patient airway. Airway maintenance device. Various models, both powered and manually operated.	----- All devices, including carrying/storage cases, should be impervious to infectious fluids. Consider ease of use and disposability of collection vessels, tubing, and related supplies. Products should be easy to use. Consider products with adjustable pressure settings; adult and pediatric applications; storage and transport requirements; battery life and related replacement costs. For powered units 12 volt mobile, apparatus-based power and/or hand-operated power sources need to be considered. See also 09MS-02-SUCT.	23, 50	B, A, P, H, D	C, B, R, T, E
09ME-02-VENT Ventilators	Positive pressure ventilators that deliver regulated volumes of oxygen to patients requiring invasive respiratory support. Adult and pediatric applications.	Battery and gas powered devices are available. ----- All devices and carrying cases should be impervious to infectious fluids and should offer adjustable rate and tidal volumes. Consider adult and pediatric applications; disposable adjuncts and related costs; storage and transport requirements. Devices should be easy to use, and offer both audible and visual over-pressure alarms. →	6	A, P, H, D	C, B, R, T, E

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³ Chemical (C), Biological (B), Radiological (R), Thermal (T), Explosive (E)

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
ME - Medical Equipment					
02 - Airway Management - <i>Continued</i>					
		Device requires special batteries supplied by manufacturers; Note battery life and need for electrical recharging units during protracted incidents. See also 09MS-02-VENT.			
ME - Medical Equipment					
03 - Diagnostic/Monitoring/Defibrillation					
09ME-03-BPSL Equipment, Blood Pressure	Manual and automated blood pressure equipment/products.	----- Consider products impervious to infectious fluids and/or disposable adjuncts; various size applications, including adult and pediatric applications; power needs and battery life on automated units.	9	B, A, P, H, D	C, B, R, T, E
09ME-03-DEAE Defibrillator, Automated External	Simple device that enables rapid application, automated assessment, and (when necessary) delivery of corrective electrical impulse for lethal cardiac dysrhythmias. Use of device by practitioners with minimum or no training.	----- Consider ease of use for practitioners with minimal or no training. Consider products with clear, concise voice prompts; products with automated data storage and download features; products providing interoperability with advanced cardio/defibrillation devices. Consider adult/pediatric applications; weight and storage requirements; disposal cost of adjuncts/electrodes. These devices require special batteries supplied by manufacturers. Note battery life and need for electrical recharging units during protracted incidents. See also 09MS-06-PROB	8, 12	B, A, P, H, D	C, B, R, T, E
09ME-03-DEMP Defibrillator/Cardiac	Advanced cardiac monitoring/defibrillation/pacing devices for use	----- Consider interoperability with devices both less and more complex. Consider devices equipped with automated dysrhythmia →	11, 12	A, P, H, D	C, B, R, T, E

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
ME - Medical Equipment 03 - Diagnostic/Monitoring/Defibrillation - <i>Continued</i>					
Monitors/Pacing	by practitioners with advanced medical training.	<p>recognition and related alarm features; devices with clear & concise voice prompts; weight and storage requirements; cost of disposal of adjuncts/electrodes. Consider devices engineered to accommodate both basic and advanced trained practitioners.</p> <p>These devices require special batteries supplied by manufacturers. Note battery life and need for electrical recharging units during protracted incidents. See also 09MS-06-PROB</p>			
09ME-03-GLUM Meters, Glucose	Simple device that rapidly analyzes blood glucose levels from capillary blood sample.	<p>-----</p> <p>Devices should provide rapid analysis with minimal operator interface. Consider infection control and related maintenance; costs of strips and related supplies. Select products that self-calibrate or require minimal operator interface calibration, and utilize commercial over the counter batteries. Disposable items may require replacement during protracted incident.</p>	2, 47	B, A, P, H, D	C, B, R, T, E
09ME-03-OTOP Otoscope/Ophthalmoscope	Devices used during patient assessment to facilitate the examination of the eyes and ears.	<p>-----</p> <p>Consider devices with commercial over the counter batteries. Disposable items may require replacement during protracted incident.</p>	14, 44	H, D	C, B, R, T, E
09ME-03-POXI Oximeter, Pulse	Non-invasive device that monitors oxygen saturation levels in blood.	<p>-----</p> <p>Consider devices constructed as features built into other devices (EKG monitors, etc.). Consider durability of probes; disposable probe accessories and/or infection control and related maintenance →</p>	10	B, A, P, H, D	C, B, R, T, E

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² Basic Life Support (B), Advanced Life Support (A), Pre-Hospital Mass Casualty (P), Hospital (H), Public Health (U), Disaster (D)

³ Chemical (C), Biological (B), Radiological (R), Thermal (T), Explosive (E)

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
ME - Medical Equipment					
03 - Diagnostic/Monitoring/Defibrillation - <i>Continued</i>					
		nance issues. Device cases should be impervious to infectious fluids. Certain toxic exposures, as well as environmental conditions, can lead to inaccurate readings. Consider devices with commercial over the counter batteries; disposable items may require replacement during protracted incident.			
09ME-03-STET Stethoscope	Durable stethoscope to assist in patient care through audible assessments (auscultation). Durable and disposal models available.	----- All products should be impervious to infectious fluids. Consider audible-assist features (Doppler) for high noise environments. Prices vary greatly - consider replacement costs. Consider acquisition of large quantity of disposable units for MCI/DMAT/USAR deployments.	4	B, A, P, H, D	C, B, R, T, E
09ME-03-THER Thermometer	Devices that enable assessment of patient temperature.	----- All devices and carrying cases should be impervious to infectious fluids. Consider disposable adjuncts that contact patient surfaces/ fluids. Devices should be easy to use with minimal training, and offer large display features. Consider devices built-in as features to other medical devices (EKG monitors, etc.). Should use commercial over the counter batteries; disposable items may require replacement during protracted incident.	26, 27, 28	B, A, P, H, D	B, T

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
ME - Medical Equipment 04 - Immobilization					
09ME-04-SPIN Equipment, Spinal Immobilization	Adjuncts that enable spinal immobilization of patients encountered in a variety of positions and situations.	----- All products should be impervious to infectious fluids. Consider all types of patient sizes and weights. Head immobilization features should enable easy access to patient airway. Products should be lightweight and easily transportable. Consider storage requirements; application in confined space/entrapment environments; horizontal and vertical rescue requirements including movement up and down stairwells and other minimal space environments. Consider products that enable interoperability with other rescue equipment (gurneys, litters, stokes, etc.). Also consider length and width limitations of transport vehicles (ambulances, helicopters, boats, carts, all-terrain vehicles, etc). See also 09MS-08-SPIN.	80	B, A, P, H, D	C, B, R, T, E
09ME-04-SPLT Splints, Durable	Splints that enable all types of limb immobilization. All types and sizes.	----- Durable devices should be impervious to infectious fluids. Consider disposable products; all size requirements (including adult and pediatric); storage and transport requirements. Products should be easy to use with minimal training, and should be easy to apply in various rescue environments, including confined space and entrapment rescues. Products should offer interoperability with other medical equipment and rescue devices (backboards, litters, gurneys, etc). See also 09MS-08-SPLT.	18, 19	B, A, P, H, D	C, B, R, T, E

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² Basic Life Support (B), Advanced Life Support (A), Pre-Hospital Mass Casualty (P), Hospital (H), Public Health (U), Disaster (D)

³ Chemical (C), Biological (B), Radiological (R), Thermal (T), Explosive (E)

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
ME - Medical Equipment					
05 - Patient Movement/Transfer					
09ME-05-GURN Gurneys	Portable patient move- ment devices. Adjustable positions both vertical and horizontal. Durable medi- cal equipment.	----- All devices and related accessories should be impervious to infec- tious fluids. Consider products ease of use with minimal train- ing; full range of vertical and horizontal position adjustments; operations in confined space environments including ascent and descent of stairwells, around corners and other confined spaces. Consider optional accessories to accommodate equipment storage including oxygen, EKG monitors, IV poles, and other surface ar- eas and storage capabilities. Consider operational body mechanics required for all sizes of practitioners; maintenance requirements and related costs; interoperability with other medical equip- ment (backboards, splints, etc.) and interoperability with various transport vehicles (ambulances, helicopters, boats, carts, all-terrain vehicles, etc.). Consider weight rating requirements. Consider wheel locks and other desirable safety devices. See also 01EM-01- GLMW, 01ZA-02-GLOW, 09MS-07-REST.	43	B, A, P, H, D	C, B, R, T, E
09ME-05-LITR Litters/Stretchers	Hand-carried patient transport devices.	----- Stokes baskets considered in this category should be rugged and impact resistant; all surfaces and related accessories should be im- pervious to infectious fluids. Consider interoperability with other medical equipment (backboards, splints, etc); storage and trans- port requirements. See also 01EM-01-GLMW, 01ZA-02-GLOW, 09ME-05-GURN, 09MS-07-REST, 08D1-03-LITR.	42	B, A, P, H, D	C, B, R, T, E

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
ME - Medical Equipment					
06 - Intravenous Equipment					
09ME-06-PUMP Pump, Intravenous	A device to deliver accurate rates of IV fluids for both medication administration and volume infusion.	----- Should be battery operated and designed for operations in the field environment. Be aware of battery and power requirements for these items. Additionally, IV pump systems may require special administration tubing. Products that operate using standard IV tubing are preferred. See also 09MS-05-IVSA	34	A, P, H, D	C, B, R, T, E
ME - Medical Equipment					
07 - Public Health					
09ME-07-ISOL Equipment, Negative Pressure Patient Isolation	Equipment designed to maintain a continuous monitored, negative pressure environment for isolation of patients requiring airborne precautions.	Consider equipment which is portable, easy to set up, operate, and maintain, and includes written instructions and safety considerations/tips. ----- Backup power source and/or ability to operate using 110 VAC or 12-volt automotive. Consider inclusion of ultraviolet germicidal irradiation (UVGI) for filter systems or equipment which can kill mold and bacteria.	91, 92	H, U, D	B
09ME-07-PCNT Equipment, Pharmaceutical Counting	Equipment used to count and separate capsule or tablet forms of pharmaceuticals.	----- Accurate, efficient, portable. Ability to program quantities for repetitive processing. Ease of use with written instructions. Easy to maintain. Easy to clean so that type of pharmaceutical can be quickly changed. Minimum accessories, re-programming or adjustments needed. Compatible and interoperable within local system for rapidly dispensing pharmaceuticals in emergency situations and for ease of training and use. Other considerations: →		H, U, D	B

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² Basic Life Support (B), Advanced Life Support (A), Pre-Hospital Mass Casualty (P), Hospital (H), Public Health (U), Disaster (D)

³ Chemical (C), Biological (B), Radiological (R), Thermal (T), Explosive (E)

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
ME - Medical Equipment 07 - Public Health - <i>Continued</i>					
		Hopper size and pill/tablet exit access, count rate, power requirements, maximum size for capsules or tablets. Single or multiple fill capability. Recommend coordination with pharmacy contacts within local system and with Strategic National Stockpile contacts at State and Federal levels. See also SEL item: 09ME-07-PLBL; Equipment, Pharmaceutical Labeling.			
09ME-07-PLBL Equipment, Pharma- ceutical Labeling	Equipment used to pre- pare and print labels for pharmaceuticals dispensed during emergency situa- tions.	----- Accurate, efficient, portable. Ability to program information for repetitive printing. Ease of use with written instructions. Easy to maintain. Minimum accessories, re-programming or adjustment needed. Compatible and interoperable within local system for rapidly dispensing pharmaceuticals in emergency situations and for ease of training and use. See also SEL item: 09ME-07-PCNT; Equipment, Pharmaceutical Counting. Recommend coordination with pharmacy contacts within local system and with Strategic National Stockpile contacts at State and Federal levels.		H, U, D	B
09ME-07-TRAN Equipment, Translation	Equipment used to com- municate emergency med- ical information between non-English speaking patient or patient repre- sentative and emergency medical, hospital or pub- lic health provider.	Accurate, efficient, portable. ----- Ease of use with written instructions. Easy to maintain. Minimum accessories, re-programming or adjustments needed. Compatible and interoperable within local medical and health system. Ability to rapidly request and receive key information about a cause, symptom, and treatment of a medical condition, and to request and receive key information about potential allergies, adverse →		P, H, U, D	C, B, R, T, E

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
ME - Medical Equipment					
07 - Public Health - <i>Continued</i>					
		effects or counter-indications before providing emergency pharmaceuticals.			
MS - Medical Supplies					
01 - General					
09MS-01-ADMN Supplies, Administrative	All inclusive administrative and non-durable office support supplies to sustain medical branch operations.	----- Various supplies including but not limited to paper, pens/pencils, markers, fastening supplies/devices, files, folders, etc. Consider caching this category of equipment in portable vessels/containers to facilitate rapid mobilization and/or relocation. See also 09ME-01-ADMN.		B, A, P, H, D	C, B, R, T, E
09MS-01-ALPP Pads, Alcohol Prep	Single-use alcohol prep pad to cleanse patient skin surface.	----- Disposable medical supply, single-use application. Consider skin sensitivity and use near open wounds.		B, A, P, H, U, D	C, B, R, T, E
09MS-01-BAGB Bag, Body, Heavy-Duty	Single-use body bag to contain deceased patients.	----- Single-use, rugged, non-transparent surface; should be impervious to fluids and should contain all bodily fluids within the assembly without leakage. Consider infectious control requirements. See also 08D3-03-BCNT.	47	B, A, P, H, U, D	C, B, R, T, E
09MS-01-KDEB Kit, Debridement, and Supplies	Single-use, disposable kit to clean soft tissue injuries and surfaces.	----- Kits should be self-contained, single-use, disposable. See also: 01EM-01-EYEP, 01EM-01-GLMP, 09MS-01-SHEY, →	47	H, D	C, B, R, T, E

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² Basic Life Support (B), Advanced Life Support (A), Pre-Hospital Mass Casualty (P), Hospital (H), Public Health (U), Disaster (D)

³ Chemical (C), Biological (B), Radiological (R), Thermal (T), Explosive (E)

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
MS - Medical Supplies 01 - General - <i>Continued</i>					
		09MS-03-GLVS.			
09MS-01-LNEN Linens	Disposable and non-disposable linen products.	----- Consider disposable products to minimize storage and handling of materials soiled with infectious substances. Consider maintenance and storage requirements, and related costs for non-disposable products; product durability; product absorption characteristics. See also: 08D3-01-BLKT, 09ME-01-COTS.	47	A, P, H, D	C, B, R, T, E
09MS-01-MEDS Supplies, Medication Administration	Various disposable and non-disposable supplies to facilitate the administration of medications.	----- All supplies should be disposable or impervious to infectious substances. Consider all size requirements; interoperability requirements with needleless systems; necessary adapters to enable interoperability; storage and transport requirements.	24, 35, 47	B, A, P, H, U, D	C, B, R, T, E
09MS-01-NEAG Needles, Assorted	Various size/gauge needles to draw fluids and/or administer medications.	----- Consider all size/gauge requirements for intended uses; needles with safety mechanisms for use in direct patient administration; interoperability with needleless system and any required adapters; storage and transport requirements for various sizes and quantities. All products should be individually packaged.	24, 47	A, P, H, U, D	C, B, R, T, E
09MS-01-POVO Solutions and Applicators, Povidine Iodine	Various brushes and swabs saturated with Povidine to cleanse skin surface area.	----- Consider skin sensitivity; various size requirements; storage and transport requirements. Products should be individually packaged. Check shelf life.		H, U, D	C, B, R, T, E

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
MS - Medical Supplies 01 - General - <i>Continued</i>					
09MS-01-SCRN Screen, Privacy	Portable screen to provide privacy and visual screening during patient examination, triage, treatment, or stabilization.	----- Consider durability; portability; mobility; storage convenience; flame retardant, bacteriostatic, and cleanable components. Ease of use and repair. (See also: 09ME-01-SHEL, Shelter, Medical; 030E-08-HSSE, Housing, Subsistence and Sanitation; and 030E-08-SHEL, Shelter Systems, Rapid Deployment)		H, U, D	C, B, R, T, E
09MS-01-SHER Shears/Scissors, Medical	Standard medical shears to enable cutting of various materials.	----- Consider blunt tip requirements; size and strength requirements for various applications; storage and transport requirements.	40	B, A, P, H, D	C, B, R, T, E
09MS-01-SHEY Shield, Eye Irrigation Lens	Single-use, disposable eye lens with catheter to facilitate irrigation.	----- Consider various size requirements; port connectivity requirements. Products should be individually packaged. See also: 01EM-01-EYEP, 01EM-01-GLMP, 01EM-01-GARM.	45	B, A, P, H, D	C, B, R, T, E
09MS-01-SUTR Suture, Various Sizes	Various size absorbable and non-absorbable sutures.	----- Consider all injury size and types; all products should be single-use, disposable. See also 09MS-01-SUTS.	17, 47	H, D	C, B, R, T, E
09MS-01-SUTS Supplies and materials, Suture	Single-use, disposable supplies or kits to support suturing procedures.	----- See also 09MS-01-SUTR.	17, 47	H, D	C, B, R, T, E

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³ Chemical (C), Biological (B), Radiological (R), Thermal (T), Explosive (E)

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
MS - Medical Supplies					
01 - General - <i>Continued</i>					
09MS-01-TNDP Depressor, Tongue	Single-use, disposable device used for oral assessment.	----- Single-use, disposable; consider alternate uses.	36	B, A, P, H, D	C, B, R, T, E
09MS-01-TTAG Tags and Supplies, Triage	Single-use, disposable patient marking devices for use during multi-casualty triage management.	----- Consider simple device compatible with standard triage protocol; packaged and stored in bulk. Tags should be impervious to moisture, able to be decontaminated, and consider inclusion of CBRNE criteria and features that allow rapid data capture including patient ID and tracking information. See also 09ME-01-MCIK, 08D2-04-PPTS.		B, A, P, H, U, D	C, B, R, T, E
MS - Medical Supplies					
02 - Airway Management/Ventilation					
09MS-02-AWMG Supplies, Airway Management	Airway management supplies, basic & advanced. Enables basic and advanced access to, and protection of, patient respiratory system. Non-durable supplies.	----- Consider all single-use, disposal products; adult and pediatric applications. See also 09ME-02-AWMG, 09MS-02-OXYA and 09MS-02-SUCT.	1	B, A, P, H, D	C, B, R, T, E
09MS-02-BITE Block, Bite	Disposable device designed for insertion between patient's teeth. Respiratory maintenance	----- Consider potential damage to patient's teeth and other potential airway complications caused from use of this product. Consider adult and pediatric applications; disposable, single-use →	15	B, A, P, H, D	C, B, R, T, E

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
MS - Medical Supplies 02 - Airway Management/Ventilation - <i>Continued</i>					
	device.	assembly; individually packaged.			
09MS-02-NATU Tubes, Nasogastric	Single-use, disposable gastric tube.	----- Consider all size/gauge requirements, including adult and pediatric applications; interoperability and any required adapters; storage and transport requirements. All products are single-use, disposable, and should be individually packaged.	16	A, P, H, D	C, B, R, T, E
09MS-02-NEBU Nebulizer	Nebulizer assembly to facilitate the administration of aerosolized medications and solutions.	----- All products should be single-use, disposable; individually packaged; easy to assemble with minimal training. Consider any required adapters to enable interoperability with other medication components. See also 09MS-02-AWMG.	5	B, A, P, H, D	C, B, R, T, E
09MS-02-OXYA Supplies, Oxygen Administration	Oxygen administration supplies, basic and advanced. Enables basic and advanced access to, and protection of, patient respiratory system.	----- Consider all single-use, disposal products; adult and pediatric applications. See also 09ME-02-AWMG, 09MS-02-AWMG, 09ME-02-OXYE.	1	B, A, P, H, D	C, B, R, T, E
09MS-02-SUCT Supplies and Adjuncts, Suction	Catheters, tubing, wands and miscellaneous connection devices for use with suction devices.	----- All products should be single-use, disposable; consider connectivity requirements with various ports and interoperability with other medical devices and airway equipment. See also 09ME-02-SUCT and 09MS-02-AWMG.	38, 47, 50	B, A, P, H, D	C, B, R, T, E

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³ Chemical (C), Biological (B), Radiological (R), Thermal (T), Explosive (E)

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
MS - Medical Supplies					
02 - Airway Management/Ventilation - <i>Continued</i>					
09MS-02-THOR Kit, Thoracostomy and Supplies	Self contained kit to perform and support chest decompression.	----- All products should be single-use, disposable; consider all needle size requirements; consider all necessary adapters and interoperability requirements. See also: 01EM-01-GLMP, 09MS-03-GLVS.	24, 47	H, D	C, B, R, T, E
09MS-02-VENT Ventilator, Disposable	Positive pressure ventilators that deliver regulated volumes of oxygen to patients requiring invasive respiratory support. Adult and pediatric applications.	----- All devices and carrying cases should be impervious to infectious fluids. Consider pressure-controlled devices that enable adjustable rate and tidal volumes; consider adult and pediatric applications. Devices should be easy to use. Consider devices that offer both audible and visual over-pressure alarms; consider storage and transport requirements. See also 09ME-02-VENT.	7	P, H, D	C, B, R, T, E
MS - Medical Supplies					
03 - Infection Control					
09MS-03-BAGH Bag, Biohazard	Variable size, disposable bags to contain materials soiled with infectious fluids/products.	----- Consider various size requirements; bag thickness and durability; multi-lingual label requirements. Products should be conspicuously colored and labeled with biohazard insignias. Consider products with zip-closures and other ease-of-use features. See also 09MS-03-BIOD.	47	B, A, P, H, U, D	C, B, R, T, E
09MS-03-BIOD Supplies, Biohazard Disposal	Various non-durable vessels to contain and manage materials soiled with biohazards.	----- Consider various size requirements; product surface thickness and durability; multi-lingual label requirements; products with non-spill openings and other ease-of-use features. Products →	47	B, A, P, H, U, D	C, B, R, T, E

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
MS - Medical Supplies 03 - Infection Control - <i>Continued</i>					
		should be conspicuously colored and labeled with biohazard insignias. See also: 09MS-03-BAGH.			
09MS-03-DSIN Supplies, Disinfectant	Commercial disinfectant products to clean skin and other surfaces.	----- Consider product decontamination features; packaging and application features; storage requirements. Consider various usage applications (human skin versus work surfaces).	47	B, A, P, H, U, D	C, B, R, T, E
09MS-03-GLVN Gloves, Biomedical, Non-Sterile	Variable size, single-use examination gloves. Disposable, non-latex. Non-sterile.	----- Consider all size requirements to accommodate practitioners; skin sensitivity; product thickness and durability; textured surfaces for ease of handling instruments. Products should be ambidextrous. See also 09MS-03-GLVS for sterile gloves, and 01EM-01-GLMP.	37, 47, 118	B, A, P, H, U, D	C, B, R, T, E
09MS-03-GLVS Gloves, Biomedical, Sterile	Variable size, sterile biomedical gloves.	----- See also 09MS-03-GLVN for non-sterile gloves, and 01EM-01-GLMP.	21, 47	H, U, D	C, B, R, T, E
09MS-03-HYGP Supplies, Personal Hygiene	Various skin disinfectant and hygiene supplies.	----- Consider skin sensitivity when selecting products. Consider desired application versus product use features and limitations. All products should be single-use, disposable, and individually packaged.		B, A, P, H, U, D	C, B, R, T, E

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³ Chemical (C), Biological (B), Radiological (R), Thermal (T), Explosive (E)

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
MS - Medical Supplies 03 - Infection Control - <i>Continued</i>					
09MS-03-ISOS Supplies, Body Sub- stance Isolation	Body substance isolation supplies (masks, gowns, eye protection). Various isolation barriers to protect practitioners from exposure to infectious substances.	----- Consider all size requirements to accommodate practitioners, and skin sensitivity. All products should be impervious to infectious fluids/substances. Consider single-use, disposable products; any non-disposable equipment such as eye protection should be easy to clean/disinfect. Consider storage and transport requirements. See also 01EM-01-EYEP.	20, 47, 50	B, A, P, H, U, D	C, B, R, T, E
MS - Medical Supplies 04 - Bandages/Dressings/Tapes					
09MS-04-BAND Bandages and Dressings	Variable size, disposable bandages and dressing to treat all types of soft tissue wounds. Non-durable absorbent products.	----- Consider surface texture requirements for various applications; specialty dressings for burn care, all size requirements; adhesive and non-adhesive requirements. Sterile products should be individually packaged; other non-sterile products can be packaged in bulk. See also 09MS-04-HSBN.	25, 47	B, A, P, H, D	C, B, R, T, E
09MS-04-HSBN Bandages and Prod- ucts, Hemostatic	Sterile bandages coated or impregnated with substances that enhance suppression of active bleeding as well as other materials that perform a similar function.	----- See also 09MS-04-BAND.	22	B, A, P, H, D	E

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
MS - Medical Supplies					
04 - Bandages/Dressings/Tapes - <i>Continued</i>					
09MS-04-TAPE Tape, Adhesive	Various size adhesive medical tape.	----- Consider skin sensitivity; consider length and width requirements; consider absorption qualities for desired application; consider storage and transport requirements to support a selection of various size products.	31	B, A, P, H, U, D	C, B, R, T, E
MS - Medical Supplies					
05 - Intravenous Therapy					
09MS-05-IVBG Bag, Intravenous Pressure Infusion	Pressure infusion device for use with intravenous solution bags to expedite fluid delivery.	----- Consider size requirements for intended applications. All product surfaces should be impervious to infectious substances and puncture resistant. See also 09MS-05-IVSA.	32	A, P, H, D	C, B, R, T, E
09MS-05-IVSA Supplies, Intravenous Administration	Various intravenous solutions and needle/catheter assemblies.	----- Consider all size/gauge requirements for various applications; all required solution types based upon protocol standards; safety requirements including safety needles and needleless assemblies/ systems and any required adapters and conversion accessories. Consider systems that offer ease of use with minimal training, and interoperability with other medical devices/applications. Consider storage and transport requirements. Products should be individually packaged; solutions are perishable. See also 09ME-06-PUMP.	29, 30, 33, 47	A, P, H, D	C, B, R, T, E
09MS-05-NEIO Needles, Intraosseous	Various size/gauges to facilitate fluid/medication administration.	Engineered with safety devices to minimize practitioner needle stick injuries. ----- →	47	A, P, H, D	C, B, R, T, E

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
MS - Medical Supplies 05 - Intravenous Therapy - <i>Continued</i>					
Infusion		Consider all sizes/gauges required for the prescribed treatment interventions; interoperability with needleless systems and any required adapters; storage and transport required to accommodate various sizes and quantities. Products should be individually packaged.			
09MS-05-SYRC Cartridge Injector, Syringe	Assembly that facilitates syringe use.	----- Consider all size requirements; products should be impervious to infectious substances and/or single-use disposable; consider ease of use. See also 09MS-05-SYRG.	13, 47	A, P, H, D	C, B, R, T, E
09MS-05-SYRG Syringe	Various size syringes, with and without built-in needles. For use in drawing and administering medications and solutions. Also used in injection and aspiration of air from some airway devices.	----- Consider various size/gauge requirements; consider needleless systems and interoperability requirements and any necessary adapters; consider products engineered with needle safety systems. See also 09MS-05-SYRC.	35, 47	A, P, H, D	C, B, R, T, E
MS - Medical Supplies 06 - Monitoring/Defibrillation					
09MS-06-PROB Electrodes/Probes, Monitoring	Self-adhesive electrodes to facilitate electrical monitoring. Single-use, disposable.	----- Consider adult and pediatric applications; lead requirements for appropriate packaging quantities; diaphoretic tolerant products. Perishable product. See also 09ME-03-DEMP.	46	A, P, H, D	C, B, R, T, E

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
MS - Medical Supplies					
07 - Patient Movement/Transfer					
09MS-07-REST Supplies/Systems, Patient Restraint	Multi-use patient restraints and systems; easy to apply with minimal training (including limb and torso restraints).	----- Products should be disposable or impervious to infectious substances and able to be decontaminated. Consider ease of use and ease of connectivity; interoperability with various medical devices including gurneys, litters, backboards, etc.; storage and transport requirements. See also: 08D1-03-LITR, 09ME-05-GURN, and 09ME-05-LITR.	39	B, A, P, H, D	C, B, R, T, E
MS - Medical Supplies					
08 - Immobilization					
09MS-08-SPIN Supplies, Spinal Im- mobilization	Various devices (e.g., cervical collars, head immobilizers) to immobilize/stabilize the neck and spinal region.	----- Consider all types of patient sizes including adult and pediatric applications. Products should be single-use, disposable and/or impervious to infectious substances; consider ease of use; ease of application in confined spaces and other entrapment environments; storage and transport requirements. All carrying cases should be impervious to infectious substances. See also 09ME-04-SPIN.		B, A, P, H, D	C, B, R, T, E
09MS-08-SPLT Splints, Disposable	Splints that enable all types of limb immobilization. All types and sizes.	----- Products should be easy to apply in various rescue environments including confined space and entrapment rescues; should offer interoperability with other medical equipment and rescue devices (backboards, litters, gurneys, etc.). Consider storage and transport requirements. See also 09ME-04-SPLT.	18, 19, 47	B, A, P, H, D	C, B, R, T, E

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
MS - Medical Supplies					
09 - Obstetrics					
09MS-09-KTOB Kit, Obstetrical	Self-contained kit with supplies required to support obstetrical procedures.	----- Consider products that are single-use, disposable, self-contained; consider storage and transport requirements. See also 01EM-01-GLMP; 09MS-03-GLVS.	47	B, A, P, H, D	C, B, R, T, E
PH - Pharmaceuticals					
01 - General					
09PH-01-ADEN Adenosine	Anti-dysrhythmic	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C, B, R, T, E
09PH-01-ALBU Albuterol	Bronchodilator	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C, B, R, T, E
09PH-01-AMIO Amiodarone	Anti-dysrhythmic	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C, B, R, T, E
09PH-01-ANTA Antacids	Antacid	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	H, D	C, B, R, T, E
09PH-01-ATVT Ipratropium	Bronchodilator	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C, B, R, T, E

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
PH - Pharmaceuticals					
01 - General - <i>Continued</i>					
09PH-01-BCLM Beclomethasone	Steroid, oral inhalant or nasal spray for respiratory disorders.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	H, D	C, B, R, T, E
09PH-01-CACL Calcium Chloride	Electrolyte used in resuscitation settings.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. See also 09MS-05-IVSA.	87	A, P, H, D	C, B, R, T, E
09PH-01-DEXT Dextrose	Glucose compound for use in hypoglycemia.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	B, A, P, H, D	C, B, R, T, E
09PH-01-DIPH Diphenhydramine	Antihistamine	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C, B, R, T, E
09PH-01-DOPA Dopamine	Used in emergency setting to treat acute hypotension.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C, B, R, T, E
09PH-01-ELEC Fluid, Electrolyte Replacement, Oral	Crystalloid solutions for Oral Rehydration Therapy (ORT).	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. See also 01ZA-06-HYDR.	87	P, H, D	C, B, R, T, E

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
PH - Pharmaceuticals					
01 - General - <i>Continued</i>					
09PH-01-EPIA Epinephrine, Auto- Injector	Epinephrine packaged in auto-injector.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. Pediatric and adult versions available.	87	B, A, P, U	C, B, R, T, E
09PH-01-EPIP Epinephrine	Catecholamine, used in cardiac arrest, as a vaso-constrictor acute hypotension, as a bronchodilator and antispasmodic in bronchial asthma.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C, B, R, T, E
09PH-01-FURO Furosemide	Diuretic	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C, B, R, T, E
09PH-01-GLUC Glucagon	Anti-hypoglycemia agent.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C, B, R, T, E
09PH-01-LIDO Lidocaine, all concentrations	Anti-dysrhythmic as well as analgesic properties.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C, B, R, T, E

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Section 9 | Medical

Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
PH - Pharmaceuticals					
01 - General - <i>Continued</i>					
09PH-01-MASU Magnesium Sulfate	Electrolyte replacement, anticonvulsant, bronchodilator, anti-dysrhythmic	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C, B, R, T, E
09PH-01-METP Methylprednisolone	Corticosteroid; bronchodilation and anti-inflammatory characteristics.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C, B, R, T, E
09PH-01-NTRO Nitroglycerin	Nitrate; vasodilator and smooth muscle relaxant.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C, B, R, T, E
09PH-01-OXYG Oxygen	Oxygen	----- Consider all dosage requirements; consider all contraindications and side effects; product stored under pressure; product supports combustion; consider storage and transport requirements, including safety considerations. See also 09ME-02-OXYE, 09MS-02-OXYA.	87	B, A, P, H, D	C, B, R, T, E
09PH-01-POLY Polysporin Ointment	Antibiotic ointment	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C, B, R, T, E
09PH-01-RING Ringers Solution,	Crystalloid solution used for fluid replacement.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. See also 09MS-05-IVSA. →	87	A, P, H, D	C, B, R, T, E

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² Basic Life Support (B), Advanced Life Support (A), Pre-Hospital Mass Casualty (P), Hospital (H), Public Health (U), Disaster (D)

³ Chemical (C), Biological (B), Radiological (R), Thermal (T), Explosive (E)

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
PH - Pharmaceuticals					
01 - General - <i>Continued</i>					
Lactated					
09PH-01-SALI Saline Solution	Crystalloid solution used for fluid replacement.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. Product may also be used as topical irrigation solution. See also 09MS-05-IVSA.	87	B, A, P, H, D	C, B, R, T, E
09PH-01-SISU Silver Sulfadiazine Cream	Silver sulfadiazine, a sulfa drug, is used to prevent and treat infections of second- and third-degree burns.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	H, D	C, R, T, E
09PH-01-SOBI Sodium Bicarbonate	Electrolyte. Useful in the management of crush syndrome.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C, B, R, T, E
09PH-01-TCOP Tetracaine Ophthalmic	Ophthalmic anesthetic for use in eye injuries.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	H, D	C, B, R, T, E
09PH-01-THEO Theophylline	Bronchodilator	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	H, D	C, B, R, T, E

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
PH - Pharmaceuticals					
01 - General - <i>Continued</i>					
09PH-01-THIA Thiamine	Vitamin	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C, B, R, T, E
09PH-01-WATR Water, Sterile	Fluid solution; topical irrigation.	----- Consider usage requirements including any contraindications and side effects.	87	B, A, P, H, D	C, B, R, T, E
PH - Pharmaceuticals					
02 - Analgesics/Sedatives					
09PH-02-ACET Acetaminophen	Analgesic, anti-pyretic.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	H, U, D	C, B, R, T, E
09PH-02-ASA Acetylsalicylic Acid	Anticoagulant; analgesic, anti-inflammatory; anti-pyretic.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, U, D	C, B, R, T, E
09PH-02-IBUP Ibuprofen	Nonsteroidal anti-inflammatory agent; analgesic, anti-pyretic	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	H, D	C, B, R, T, E
09PH-02-KETO Ketorolac	Nonsteroidal anti-inflammatory agent; analgesic.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	H, D	C, B, R, T, E

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Section 9 | Medical

Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
PH - Pharmaceuticals					
02 - Analgesics/Sedatives - <i>Continued</i>					
09PH-02-MZLM Midazolam	Sedative; anticonvulsant, benzodiazepine.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87, 139	A, P, H, D	C, B, R, T, E
PH - Pharmaceuticals					
03 - Antibiotics/Antiviral					
09PH-03-ADAM Adamantines	Anti-viral	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. Described in Federal Pandemic Influenza Preparedness and Response Plan: http://www.hhs.gov/nvpo/pandemicplan Sample fact sheets available at: http://www.niaid.nih.gov/factsheets/fludrugs.htm http://hopkins-heic.org/infectious_diseases/influenza/facts.htm	87	H, D	B
09PH-03-AMOX Amoxicillin	Antibiotic	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	P, H, U, D	B
09PH-03-CEPH Cephalexin	Antibiotic	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. Force Protection Item	87	H, D	B
09PH-03-CHLO	Antibiotic	----- Consider all dosage requirements; consider all contrain- →	87	H,D	B

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
PH - Pharmaceuticals 03 - Antibiotics/Antiviral - Continued					
Chloramphenicol		dications and side effects; perishable product.			
09PH-03-CPRO Ciprofloxacin	Antibiotic	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	B, H, U, D	B
09PH-03-DOXY Doxycycline	Antibiotic	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	B, H, U, D	B
09PH-03-ERYT Erythromycin	Antibiotic	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	B, H, D	B
09PH-03-GENT Gentamicin	Antibiotic	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	H, D	B
09PH-03-MZOL Methronidazole	Antibiotic	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. Force Protection Item http://www.hhs.gov/nvpo/pandemicplan Sample fact sheets available at: http://www.niaid.nih.gov/factsheets/fludrugs.htm http://hopkins-heic.org/infectious_diseases/influenza/facts.htm	87	H, D	B

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³ Chemical (C), Biological (B), Radiological (R), Thermal (T), Explosive (E)

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
PH - Pharmaceuticals					
03 - Antibiotics/Antiviral - <i>Continued</i>					
09PH-03-NEUR Neuraminidase Inhibitors	Anti-viral	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	H, U, D	B
09PH-03-RIBA Ribavirin	Anti-viral.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	H, U, D	B
09PH-03-STMY Streptomycin	Antibiotic	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	H, D	B
09PH-03-TRIM Trimethoprim/Sulfa- methoxazole	Antibacterial agent	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	H, D	B
PH - Pharmaceuticals					
04 - Narcotics/Narcotic Antagonists					
09PH-04-BUTO Butorphanol Injection	Narcotic analgesic	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87, 139	H, D	C, B, R, T, E
09PH-04-MOSU	Narcotic analgesic	----- Consider all dosage requirements; consider all contrain- →	87, 139	A, P, H, D	C, B, R, T, E

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
PH - Pharmaceuticals					
04 - Narcotics/Narcotic Antagonists - <i>Continued</i>					
Morphine Sulfate		dications and side effects; perishable product.			
09PH-04-NALX Naloxone	Narcotic antagonist	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, U, D	C, B, R, T, E
PH - Pharmaceuticals					
05 - Antidote					
09PH-05-AMNI Amyl Nitrite	Vasodilator. A component of the Cyanide Antidote Kit.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. See also 09PH-05-CYKT, 09PH-05-SOTH.	87	A, P, H, U, D	C
09PH-05-ATSF Atropine Sulfate	Anticholinergic. Antidote for organophosphate and nerve agent exposure.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. See also 09PH-05-CANA, 09PH-05-NAAK, 09PH-05-PRAL, 09PH-07-DIAZ.	87	B, A, P, H, U, D	C
09PH-05-CALG Calcium Gluconate	Electrolyte used in acute cases for hyperkalemia, hypocalcaemia, or calcium antagonist overdose. A topical preparation is available for use in the treatment of hydrofluoric acid burns.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C, B, R, T, E

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
PH - Pharmaceuticals 05 - Antidote - <i>Continued</i>					
09PH-05-CANA CANA Auto-Injector	Diazepam packaged in an auto-injector. For use in the management of nerve agent and organophosphate exposure.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. See also 09PH-05-ATSE, 09PH-05-NAAK, 09PH-05-PRAL, 09PH-07-DIAZ, 09TR-01-CAIT.	87, 139	B, A, P, H, U, D	C
09PH-05-CHAR Charcoal, Activated	Used in emergency setting to treat oral ingestion poisoning/overdoses.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	B, A, P, H, D	C, B, R, T, E
09PH-05-CYKT Kit, Cyanide Antidote	Kit includes Sodium Nitrite, Sodium Thio-sulfate and Amyl Nitrite inhalant.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. Note shelf life of individual components. See also 09PH-05-AMNI, 09PH-05-SOTH.	87	A, P, H, U, D	C
09PH-05-DTPC Ca-DTPA, Pentetate Calcium Trisodium Injection	Radiation treatment drug for treating internal contamination from Plutonium, Americium, and Curium.	http://www.fda.gov/cder/drug/infopage/DTPA/default.htm ----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. See also 09PH-05-DTPZ, 09PH-05-POTI, 09PH-05-PRUS, 09PH-06-GRAN.	87	H, D	R
09PH-05-DTPZ Zn-DTPA, Pentetate Zinc Trisodium	Radiation treatment drug for treating internal contamination from Plutonium, Americium, and	http://www.fda.gov/cder/drug/infopage/DTPA/default.htm ----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. →	87	H, D	R

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
PH - Pharmaceuticals 05 - Antidote - <i>Continued</i>					
Injection	Curium.	See also 09PH-05-DTPC, 09PH-05-POTI, 09PH-05-PRUS, 09PH-06-GRAN.			
09PH-05-METB Methylene Blue	Used in emergency setting for hemoglobinopathies.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C
09PH-05-NAAK Nerve Agent Antidote Kit (NAAK)	Commonly known as Mark 1 Kit (AutoInjector) Pralidoxime chloride autoinjector - 2-PAM; Atropine autoinjector.	For package inserts see: http://www.meridianmeds.com/images/AtroPen%20Pack%20Insert.pdf http://www.meridianmeds.com/images/2Pam%20CI%20Pack%20Insert.pdf ----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. See also 09PH-05-ATSE, 09PH-05-PRAL, 09PH-05-CANA, 09PH-07-DIAZ, 09TR-01-NAIT.	87	B, A, P, H, U, D	C
09PH-05-POTI Potassium Iodide	Used in radiation emergency - protects the thyroid in a radiation emergency.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. See also 09PH-05-DTPC, 09PH-05-DTPZ, 09PH-05-PRUS, 09PH-06-GRAN.	87	P, H, U, D	R

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
PH - Pharmaceuticals					
05 - Antidote - <i>Continued</i>					
09PH-05-PRAL Pralidoxime Chloride	Used in nerve agent and organophosphate exposures. Component of Nerve Agent Antidote Kit (NAAK).	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. See also 09PH-05-ATSE, 09PH-05-NAAK, 09PH-05-CANA, 09PH-07-DIAZ.	87	A, P, H, U, D	C
09PH-05-PRUS Prussian Blue	Used in emergency setting for radiation exposures, specifically cesium.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. See also 09PH-05-DTPC, 09PH-05-POTI, 09PH-05-DTPZ, 09PH-06-GRAN.	87	H, D	R
09PH-05-SOTH Sodium Thiosulfate	Used in the treatment of cyanide poisoning; a component of cyanide antidote kits.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. See also 09PH-05-CYKT, 09PH-05-AMNI.	87	A, P, H, D	C
PH - Pharmaceuticals					
06 - Gastrointestinal (GI)					
09PH-06-BISM Bismuth Products	Anti-emetic	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	H, D	C, B, R, T, E

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Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
PH - Pharmaceuticals					
06 - Gastrointestinal (GI) - <i>Continued</i>					
09PH-06-GRAN Gransetron	Antinauseant and anti-emetic.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. See also 09PH-05-DTPC, 09PH-05-POTI, 09PH-05-PRUS, 09PH-05-DTPZ.	87	H, D	R
09PH-06-LOPE Loperamide	Antidiarrheal agent.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	H, D	C, B, R, T, E
09PH-06-PHNG Phenergan	Antiemetic	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	A, P, H, D	C, B, R, T, E
PH - Pharmaceuticals					
07 - Anticonvulsant					
09PH-07-DIAZ Diazepam	Anticonvulsant (May be used as part of the treatment for exposure to nerve agents.)	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. See also 09PH-05-ATSE, 09PH-05-NAAK, 09PH-05-PRAL, 09PH-05-CANA.	87, 139	A, P, H, D	C, B, R, T, E
09PH-07-FOSP Fosphenytoin	Anticonvulsant	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	H, D	C, B, R, T, E

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Section 9 | Medical

Item Number/Title	Description	Features/Operating Considerations	Standards ¹	EMS/ Clinical Care Level ²	Hazard Environ- ment ³
PH - Pharmaceuticals					
07 - Anticonvulsant - <i>Continued</i>					
09PH-07-LORA Lorazepam	Sedative; antianxiety agent; benzodiazepine.	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product. Lorazepam injection requires refrigeration. See also 09ME-01-RFGR.	87, 139	A, P, H, D	C, B, R, T, E
09PH-07-PHNT Phenytoin	Anti-convulsant	----- Consider all dosage requirements; consider all contraindications and side effects; perishable product.	87	H, D	C, B, R, T, E
TR - Training					
01 - Equipment					
09TR-01-CAIT Simulator, CANA Auto Injector, Training	Training simulator for CANA auto injector.	----- See also 09PH-05-CANA.		B, A, P, H, U, D	C
09TR-01-CSIM Equipment, Training/Casualty Simulation	Life-like human body replicas that enable medical practitioners to train in various scenarios.	----- Consider adult and pediatric applications; ease of cleaning; ease of assembly and disassembly; storage requirements; battery life (as applicable). Consider disposal of accessories and adjuncts (and related costs).		B, A, P, H, D	C, B, R, T, E
09TR-01-NAIT Simulator, NAAK Auto Injector, Training	Training simulator for NAAK auto injector.	----- See also 09PH-05-NAAK.		B, A, P, H, U, D	C

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